

Case No. 02CT39353399CIP2



COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

In re Application of: **BRANCIFORTE ET AL.**

Serial No.: **10/701,160**

Filed: **November 4, 2003**

For: **QUANTUM GATE FOR CARRYING OUT A GROVER'S  
QUANTUM ALGORITHM AND A RELATIVE METHOD OF  
PERFORMING THE INTERFERENCE OPERATION OF A  
GROVER'S QUANTUM ALGORITHM**

Sir:

Transmitted herewith is an INFORMATION DISCLOSURE STATEMENT in the above-identified application.

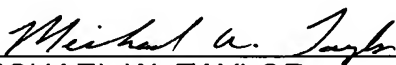
1. ☒ This IDS is submitted under 37 C.F.R. § 1.97. No fee is required.
2. ☐ This IDS is submitted under 37 C.F.R. § 1.97(c). Enclosed is a check in the amount of \$ 180.00.
3. ☐ This IDS is submitted under 37 C.F.R. § 1.97(c) and (e). No fee is required.
4. ☐ This IDS is submitted under 37 C.F.R. § 1.97(d) and (e). Enclosed is a check in the amount of \$ 130.00 to cover the petition fee.
5. ☒ The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 01-0484.
6. ☒ Please associate this application with Customer No. 27975.



27975

PATENT TRADEMARK OFFICE

Date: November 26, 2003

  
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MICHAEL W. TAYLOR  
Reg. No. 43,182

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
BRANCIFORTE ET AL.

Serial No. 10/701,160

Filing Date: November 4, 2003

For: QUANTUM GATE FOR CARRYING OUT )  
A GROVER'S QUANTUM ALGORITHM AND A )  
RELATIVE METHOD OF PERFORMING THE )  
INTERFERENCE OPERATION OF A )  
GROVER'S QUANTUM ALGORITHM )  
\_\_\_\_\_ )



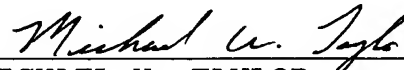
CITATION UNDER 37 CFR §1.97

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

Sir:

Attached is a form PTO-1449 listing several references for consideration in the examination of the above-identified application. A copy of each reference may be found in parent application, Serial No. 10/615,446 filed July 8, 2003. It is requested that these references be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR §1.97 and Section 609 of the MPEP.


Respectfully submitted,

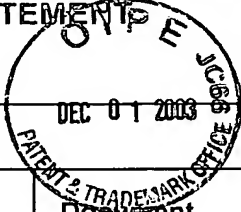


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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, on this 26<sup>th</sup> day of November, 2003.



<b>INFORMATION DISCLOSURE STATEMENT</b>			Atty Docket: 02CT39353399CIP2 Serial No.: 10/701,160 Applicant: BRANCIFORTE ET AL. Filing Date: November 4, 2003 Group:			
 <b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials	Document Number	Date	Name	Class	Sub Class	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
<b>FOREIGN PATENT DOCUMENTS</b>						
	Document Number	Date	Country	Class	Sub Class	Translation
	AK	1083520	3/14/01	EP	G06N1	00
	AL	01/67186	9/13/01	WO	G05B12	02
	AM					
	AN					
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)</b>						
	AO	Hioe et al., A Single Flux Quantum Logic Gate with High Functionality, Superconductor Science and Technology, IOP Publishing, Techno House, Bristol, GB, Vol. 4, No. 11, November 1, 1991, Pages 658-661, XP000561158				
	AP	Miquel et al., Factoring in a Dissipative Quantum Computer, Physical Review, A. General Physics, American Institute of Physics, New York, US, Vol. 54, No. 4, October 4, 1996, pages 2605-2613, XP002181469				
	AQ	Verdal et al., Basic of Quantum Computation, Progress in Quantum Electronics, Pergamon Press, Oxford, GB, Vol. 22, February 1998, Pages 1-39, XP000937713				
	AR					
<b>EXAMINER:</b>			<b>DATE CONSIDERED:</b>			

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.